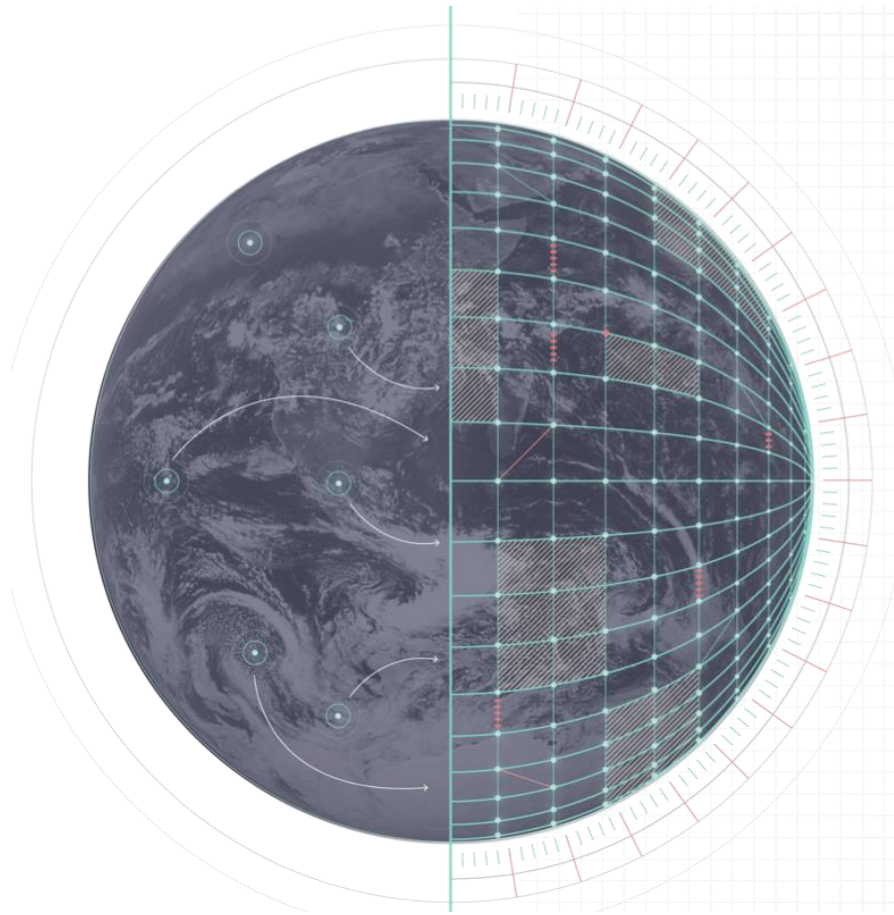


DESTINATION EARTH



Extremes Digital Twin co-
development -
for renewable energy

Discussion



Funded by
the European Union

Destination Earth

implemented by



What can we do for you?

How would you use these (on-demand & global) extremes forecasts for renewable energy purposes?

(e.g. extreme events, day-ahead power production)

What kind of variables are most important to you as user?

(e.g. wind/radiation vs power production)

Data beneficial for our forecasts

- 1) Production data. These can be from major solar and wind power plants and/or aggregated on municipality level. Possibly aggregated
- 2) Meta data. Location, solar power plant type (e.g. fixed, concentrating, 1- or 2-axis tilting, ...), wind power plant turbine height and diameter, (manufacturer) c_p - and c_T -curves, solar power plant nominal power, tilt and direction.
- 3) Curtailment data. When solar and wind power plants are switched off due to sufficient electricity production or maintenance.

How much in advance do we need to trigger/provide forecasts?

..., and with which temporal output frequency?